

## Message Text

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11

ACTION AEC-11

INFO OCT-01 EA-11 ISO-00 ACDA-19 CIAE-00 INR-10 IO-14 L-03

NSAE-00 NSC-07 RSC-01 SCI-06 FEA-02 DRC-01 ( ISO ) W

----- 033316

R 080701Z MAR 74

FM AMEMBASSY TOKYO

TO SECSTATE WASHDC 0465

UNCLAS TOKYO 3089

E.O. 11652: N/A

TAGS: TECH, OCON, US, JA

SUBJECT: FAST REACTOR MEETING, APRIL 1, 1974

REF: A) AEC 0039; B) TOKYO 2902

DEPT PASS AEC FOR DALTON

1. INFO IN ADDITION TO REF B ON SUBJECT MEETING.

2. TITLES OF JAPANESE PAPERS AT MEETING: 1) FORMS OF IODINE RELEASED DURING SODIUM FIRE; 2) RELAXATION BEHAVIOR OF SODIUM OXIDE AND NUCLEAR AEROSOLS IN A CLOSED VESSEL; 3) FILTRATION OF A LARGE QUANTITY OF SODIUM OXIDE.

3. ISSUES TO BE RAISED BY JAPANESE PARTICIPANTS AT MEETING:

A. FP RELEASES DURING A SODIUM FIRE. IN PARTICULAR THE CHEMICAL FORMS OF IODINE IN AEROSOLS AND VOLATILE COMPOUNDS.

B. AEROSOL BEHAVIOR OF SODIUM OXIDE AND NUCLEAR MATERIALS: 1) INTERACTION BETWEEN SODIUM OXIDE AND NUCLEAR AEROSOLS; 2) THERMAL EFFECTS OF AEROSOL BEHAVIOR; 3) ESTIMATION OF AEROSOL DEPOSITION OF WALLS.

C. REMOVAL OF FBR AEROSOLS. EFFECTIVE REMOVAL OF A LARGE QUANTITY OF AEROSOL UNDER NORMAL AND ABNORMAL PER CONDITIONS BY RECIRCULATION OR OTHER MEANS.

D. EVALUATION OF PU AND FP RELEASE UNDER A HYPOTHETICAL ACCIDENT CONDITION.

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DENT CONDITION. 1) FORMATION PROCESSES OF FP AND FUEL VAPOR

BUBBLES; 2) FRACTION OF FUEL VAPOR CONVERTED TO AEROSOL; 3)  
ESTIMATION OF BUBBLE BUOYANCY; 4) VAPOR BUBBLE CONDENSATION;  
5) ESTIMATION OF SIZE AND DISTRIBUTION OF FUEL OXIDE AEROSOLS.

4. JAPAN WISHES TO ADD MEMBER TO TEAM: MR. KIYOMI FUJIWARA, AD-  
VANCED NUCLEAR PLANT ENGINEERING SECTION, KOBE SHIPYARD AND ENGINE  
WORKS, MHI, LTD.

5. RE REF A, INTERPRETERS WILL NOT BE NECESSARY.  
SHOESMITH

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NNN

## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** MEETING AGENDA, NUCLEAR REACTORS  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 08 MAR 1974  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Authority:** n/a  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 JAN 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1974TOKYO03089  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** n/a  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Film Number:** n/a  
**From:** TOKYO  
**Handling Restrictions:** n/a  
**Image Path:**  
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**Original Handling Restrictions:** n/a  
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**Page Count:** 2  
**Previous Channel Indicators:**  
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**Previous Handling Restrictions:** n/a  
**Reference:** A) AEC 0039; B) TOKYO 2902  
**Review Action:** RELEASED, APPROVED  
**Review Authority:** shawdg  
**Review Comment:** n/a  
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**Review Date:** 29 JUL 2002  
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**Review Exemptions:** n/a  
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**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** FAST REACTOR MEETING, APRIL 1, 1974  
**TAGS:** TECH, OCON, US, JA  
**To:** STATE  
**Type:** TE  
**Markings:** Declassified/Released US Department of State EO Systematic Review 30 JUN 2005